

SERVICE BULLETIN



Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 316

NOVEMBER 2004

3752 Kodak Min-R MAMMOGRAPHY PROCESSOR

4357 Kodak Min-R MAMMOGRAPHY INTEGRATED PROCESSOR

3554 Kodak X-Omat 2000 PROCESSOR

3555 Kodak X-Omat 2000A PROCESSOR

3414 Kodak Industrex M35 PROCESSOR

3415 Kodak Industrex M35A PROCESSOR

New Type 1 Required Modification 22 Part No. 6F6854 is now available

Note: This Modification involves many different PROCESSORS. In order to avoid confusion, it was decided to use the designation "**MODIFICATION 22**" for all products, even though the number will be out of sequence on the MODIFICATION STICKER.

Background:

The 135 PRINTED CIRCUIT BOARD (135 PCB) was launched in October 2003 for use in the above listed PROCESSORS.

Problem:

Field reports indicate that under certain operating conditions, heat or electrical line noise may cause a malfunction of the 135 PCB:

- Electrical line noise may cause a false "reset" of the 135 PCB, which would cause the PROCESSOR to unexpectedly go into the Standby Mode. This would result in the transport stopping, possibly with a FILM still in process. When this condition occurs, the operator can return the PROCESSOR to normal operation by pressing the RUN/ STANDBY SWITCH.
- Ambient heat in the ELECTRICAL BOX can cause the solid state FUSE F1 on the 135 PCB to open, and the PROCESSOR to stop, possibly with a FILM still in process. Powering the PROCESSOR down, and then back up will reset this FUSE, but if the heat condition persists, the FUSE may open again.

Correction:

MODIFICATION #22 was implemented to correct this condition, and includes the following:

- A new 135 PCB designed with new circuitry to eliminate FUSE F1, and with improved heat transfer for REGULATOR VR1.
- A new CAPACITOR added to TERMINAL BOARD TB-3, to suppress electrical noise in the PROCESSOR.
- A new VARISTOR (MOV) added to RELAY K-3, to suppress electrical noise in the PROCESSOR.

Modification Information:

- MODIFICATION #22, is a **Type 1 Required** modification.
- MODIFICATION #22, **Part No. 6F6854**, is now available free-of-charge at Service Parts Management in Rochester, and CPSE in Germany.
- Installation time is 30 Minutes.
- Serial Number ranges for MODIFICATION #22:

Min-R MAMMOGRAPHY PROCESSOR	Serial Numbers
	233450 through 233705
	233706 through 233708**
	233709 through 233725
	233726**
	233728 and 233729**
	233730 through 233744
	233746 through 233748
	233751
	233778

[** The MOD KIT must be installed even if 22 is already circled on the MOD STICKER.](#)

Min-R MAMMOGRAPHY INT. PROCESSOR	Serial Numbers
	250001 through 250045
	250046**
	250047
	250069
	250073 and 250074**
	250076 through 250080

[** The MOD KIT must be installed even if 22 is already circled on the MOD STICKER.](#)

X-Omat 2000 PROCESSOR	Serial Numbers
	204102 through 204198
	204199**
	204200 through 204215
	204217**
	204225
	204227 through 204234
	204236 through 204241
	204245 through 204247
	204287
	204327

** The MOD KIT must be installed even if **22** is already circled on the MOD STICKER.

X-Omat 2000A PROCESSOR	Serial Numbers
	216041 through 216085
	216089
	216092 and 216093
	216095 through 216103

Industrex M35 PROCESSOR	Serial Numbers
	160321 through 160344
	160347 through 160351
	160355

Industrex M35-A PROCESSOR	Serial Numbers
	175170 through 175180

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For more information please contact:

**Eastman Kodak Company
Health Imaging
1-800-328-2910 (U. S. Only)
651-393-1728 (Outside the U.S.A.)**

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